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| Application Number | 09/828,237 |
| | 5626 |
| | April 09, 2001 |
| | Michihiro OHSUGE |
| | 2681 |
| | Unknown |
| Attorney Docket Number | Q63851 |
| | Application Number Confirmation Number Filing Date First Named Inventor Art Unit Examiner Name |

| | | U.S. I | PATENT DOCUME | ENTS |
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| | Document l | Number | Publication Date | Name of Patentee or Applicant of Cited Document |
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| Translation | Name of Patentee or | Publication Date | ment | Fo | | | |
| | Applicant of Cited Document | MM-DD-YYYY | Kind Code ⁵ (if known) | Number ⁴ | Country Code ³ | Cite No.1 | Examiner Initials* |
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| | | 4 | Atty. Docket No. | Serial No | .: | | PTO |
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| 00 | | 07/11/07 | Table | | + | Abstract | |
| W | 09-181704 | 07/11/97 | Japan | | | Abstract | |
| Ca) | 10-190522 | 07/21/98 10/09/98 | Japan Japan | | | Abstract | |
| a | 10-271034 | 02/27/98 | Japan | | | Abstract | |
| a | 2751959 | 07/30/99 | Japan | | | Abstract | |
| Cu | 11-205864 | 11/27/98 | Japan | | | Abstract | |
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| Application Number | 09/828,237 | | | | | |
| Confirmation Number | 5626 | | | | | |
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| First Named Inventor | Michihiro OHSUGE | | | | | |
| Art Unit | 2681 | | | | | |
| Examiner Name | Unknown | | | | | |
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| | | Document | | Publication Date | - |
|-----------------------|--------------|----------|-----------------------------------|------------------|---|
| Examiner Initials* | Cite No.1 | Number | Kind Code ² (if known) | MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
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| Examiner Cite Initials* No. | Foreign Patent Document | | | Publication Date | Name of Patentee or | Translation ⁶ | |
| | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | MM-DD-YYYY | Applicant of Cited Document | | |
| w | | JP | 10-313267 | A | 11-24-1998 | NEC Corp. | Abstract |
| | | JP | 11-17649 | A | 01-22-1999 | Kokusai Electric Co., Ltd. | Abstract |
| w | | JP | 2000-49751 | A | 02-18-2000 | Toshiba Corp. | Abstract |
| an | | JP JP | 2001-148640 | A | 05-29-2001 | NTT Docomo Inc. | Abstract |
| (M) | | | 10-271034 | A | 10-09-1998 | Matsushita Electric Ind. Co., Ltd. | Abstract |
| a | | JP | 11-274982 | A | 10-08-1999 | Sony Corp. | Abstract |
| a | | JP TD | 2000-78106 | A | 03-14-2000 | NEC Corp. | Abstract |
| fu | | JP CP | 0 945 995 | A2 | 09-29-1999 | Sony Corp. | |
| (fr) | - | WO | 99/57819 | Al | 11-11-1999 | Ericsson Radio Systems AB | |
| cw | | WO | 99/3/617 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | |
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